

## ABSTRACT OF THE DISCLOSURE

The present invention relates to a method for making a silicon balloon catheter in which a first tube having its outer diameter slightly smaller than that of a desired catheter is formed by an extruding method, mold lubricant is coated at a portion of a 5 balloon injection opening, a thin film type second tube is formed at the coated outer surface of the first tube by a second extruding, and then the catheter is vulcanized and cut. As a result, when liquid is injected to an expansion tube, the second tube is separated from the first tube, thereby performing a function as a balloon. The method for making a balloon catheter using silicon rubber includes the steps of: forming a first 10 tube by extruding firstly, the tube having its outer diameter slightly smaller than that of a desired catheter, then vulcanizing and cutting the first tube; punching two balloon injection openings having small diameter at a portion for expanding into balloon in the first tube after inserting a support rod into a discharge tube path; coating mold lubricant at a portion of the balloon injection opening; connecting the first tubes coated the mold 15 lubricant by using a connection unit after removing the support rod, and thereafter forming a second tube at the coated outside surface of the first tube by extruding secondly, performing a vulcanizing process and cutting again; forming a tip at the tip portion of the first and second tubes; and punching a urine discharge opening at the first tube.

TOP SECRET - BUREAU OF INVESTIGATION